

CLAIMS

1. An aqueous emulsion comprising:
 - a) a continuous phase comprising water;
 - b) a discontinuous phase comprising at least one liquid alkoxytrimethylsilane, wherein the discontinuous phase forms particles which are uniformly dispersed in the continuous phase; and
 - c) a dual emulsifier system consisting essentially of an organosilicone hydrophobic surfactant and an organosilicone hydrophilic surfactant.
2. The aqueous emulsion of claim 1, wherein the liquid alkoxytrimethylsilane is present in the emulsion in an amount ranging from about 1 to about 50 weight percent.
3. The aqueous emulsion of claim 2, wherein the liquid alkoxytrimethylsilane is present in the discontinuous phase of the emulsion in an amount ranging from about 1 to 100 weight percent.
4. The aqueous emulsion of claim 1, wherein the liquid alkoxytrimethylsilane has the general formula ROSiR'_3 , wherein R is an aliphatic hydrocarbon substituent with from 12 to about 22 carbon atoms, which may have acyclic, cyclic or both structures, and which may contain single or multiple unsaturations, and R' is an alkyl group of 1 to 6 carbon atoms.
5. The aqueous emulsion of claim 4, wherein R is a stearyl group.
6. The aqueous emulsion of claim 4 wherein R is a retinyl group.

7. The aqueous emulsion of Claim 4 wherein the alkoxytrimethylsilane is stearoxytrimethylsilane.

8. The aqueous emulsion of claim 4, wherein the alkoxytrimethylsilane is retinoxytrimethylsilane.

9. The aqueous emulsion of claim 1, wherein the organosilicone hydrophobic surfactant is of an Alkyl PEG/PPG-x/y dimethicone copolymer or an Alkyl PEG/PPG-x/y methicone polymer, or an Alkyl bis(PEG/PPG-x/y) dimethicone polymer, wherein Alkyl is a saturated hydrocarbon substituent with from 6 to about 18 carbons, PEG is polyoxyethylene, PPG is polyoxypropylene, and x and y may independently range from 1 to about 20, and wherein said organosilicone hydrophobic surfactant is present in the emulsion at a concentration ranging from about one to about three molecules per 100 square Angstroms of surface area of the alkoxytrimethylsilane particles.

10. The aqueous emulsion of claim 1, wherein the organosilicone hydrophilic surfactant comprises a water soluble Trisiloxane PEG-x copolymer, wherein the Trisiloxane is $(\text{Me}_3\text{SiO})_2\text{MeSi-}$, Me is methyl, PEG is polyoxyethylene, and x may range from 1 to about 20, and wherein said organosilicone hydrophilic surfactant is present in the emulsion at a concentration of from two to about six molecules per 100 square Angstroms of surface area of the organosilicone hydrophobic surfactant treated particles.

11. The aqueous emulsion of claim 9, wherein the organosilicone hydrophobic surfactant comprises a Caprylyl PEG/PPG-20/20 dimethicone copolymer.

12. The aqueous emulsion of claim 10, wherein the organosilicone hydrophilic surfactant comprises a Trisiloxane PEG-10 copolymer.

13. The aqueous emulsion of claim 1, wherein the discontinuous phase is substantially comprises of particles having a diameter of less than about 500 nanometers.

14. The aqueous emulsion of claim 1, further comprising cosmetic components selected from the group consisting of a buffer, a biocide, a foaming agent, an anti-foaming agent, a fragrance, a colorant, a thickening agent and mixtures of any of the foregoing.

15. The aqueous emulsion of Claim 1 wherein said discontinuous phase further comprises an inert organic diluent for the alkoxytrimethylsilane.

16. A cosmetic formulation for treatment of the skin or hair wherein the composition comprises an aqueous emulsion comprising:

- a) a continuous phase comprising water; and
- b) a discontinuous phase comprising at least one liquid alkoxytrimethylsilane, wherein the discontinuous phase forms particles which are uniformly dispersed in the continuous phase; and
- c) a dual emulsifier system consisting essentially of an organosilicone hydrophobic surfactant and an organosilicone hydrophilic surfactant.

17. The cosmetic formulation of claim 16, wherein the liquid alkoxytrimethylsilane is present in the emulsion in an amount ranging from about 1 to about 50 weight percent.

18. The cosmetic formulation of claim 17, wherein the liquid alkoxytrimethylsilane is present in the discontinuous phase of the emulsion in an amount ranging from about 1 to about 100 weight percent.

19. The cosmetic formulation of claim 16, wherein the liquid alkoxytrimethylsilane has the general formula ROSiR'_3 , wherein R is an aliphatic hydrocarbon substituent with from 12 to about 22 carbon atoms, which may have acyclic, cyclic or both structures, and which may contain single or multiple unsaturations, and R' is an alkyl group of 1 to 6 carbon atoms.

20. The cosmetic formulation of claim 19, wherein R is a stearyl group.

21. The cosmetic formulation of claim 19 wherein R is a retinyl group.

22. The cosmetic formulation of claim 19 wherein the alkoxytrimethylsilane is stearoxytrimethylsilane.

23. The cosmetic formulation of claim 19, wherein the alkoxytrimethylsilane is retinoxytrimethylsilane.

24. The cosmetic formulation of claim 16, wherein the organosilicone hydrophobic surfactant comprises an Alkyl PEG/PPG-x/y dimethicone copolymer or an Alkyl PEG/PPG-x/y methicone polymer, or an Alkyl bis(PEG/PPG-x/y) dimethicone polymer, wherein Alkyl is a saturated hydrocarbon substituent with from 6 to about 18 carbons, PEG is polyoxyethylene, PPG is polyoxypropylene, and x and y may independently range from 1 to about 20, and wherein said organosilane hydrophobic surfactant is present in the emulsion at a concentration of from one to about three molecules per 100 square Angstroms of surface area of the alkoxytrimethylsilane particles.

25. The cosmetic formulation of claim 16, wherein the organosilicone hydrophilic surfactant comprises a water soluble Trisiloxane PEG-x copolymer, wherein the Trisiloxane is $(\text{Me}_3\text{SiO})_2\text{MeSi-}$, Me is methyl, PEG is polyoxyethylene, and x may

range from 1 to about 20, and wherein said organosilane hydrophilic surfactant is present in the emulsion at a concentration of from two to about six molecules per 100 square Angstroms of surface area of the organosilicone hydrophobic surfactant treated particles.

26. The cosmetic formulation of claim 24, wherein the organosilicone hydrophobic surfactant comprises a Caprylyl PEG/PPG-20/20 dimethicone copolymer.

27. The cosmetic formulation of claim 25, wherein the organosilicone hydrophilic surfactant comprises a Trisiloxane PEG-10 copolymer.

28. The cosmetic formulation of claim 16, wherein the discontinuous phase is substantially comprised of particles having a diameter of less than about 500 nanometers.

29. The cosmetic formulation of claim 16, further comprising cosmetic components selected from the group consisting of a buffer, a biocide, a foaming agent, an anti-foaming agent, a fragrance, a colorant, a thickening agent and mixtures of any of the foregoing.

30. The cosmetic formulation of claim 16 wherein said discontinuous phase further comprises an inert organic diluent for the alkoxytrimethylsilane.